INDEX 1989

Articles by month

January

Article title	Pg.	Dept.
A year of change?	7	ED
Article 250 – Grounding quiz	12	QC
Measuring voltages on high-tech equipment – Part 1	30	MF
Test position in MCCs	38	WS
Wheel-in electrical connections solve outlet problems	51	F
Solid-state controls automate pump operations	56	F
Zone selective interlocking reduces fault stress	63	F
Vivian Beaumont Theater retrofits house lighting	84	PM
A fast track solution for Reebok	84	PM
Lighting chosen for Home Video	90	PM
Copper-aluminum connection can corrode	92	RQ
Conductor ampacity in PVC vs rigid steel conduit	92	RQ
Setting the brush neutral on DC machines	96	RQ
Insulated equipment grounding conductor	102	CF
Armored cable to supply fluorescent fixtures	102	CF
Flexible conduit at services	102	CF
Flexible nonmetallic conduit for service entrance	104	CF
Transformer ground	104	CF
Choose an estimating program that performs	136	AI

February

Article title	Pg.	Dept.
Ignorance of the law is no excuse	7	ED
Hazardous (classified) locations quiz	12	QC
Measuring voltages on high-tech equipment – Part 2	34	MF
Charging cordless tool batteries	42	WS
Hospital upgrades emergency system	53	F
Teamwork pays off in teledata and power wiring	62	F
Designing for maximum reliability	69	F
Effective preventive maintenance	79	F
Tooling up for the construction market	C1	CS
PG&E uses sun power to alert aircraft	85	PM
Oakland Bay Bridge is longest illuminated bridge	85	PM
Fox Acres CC improves system for recharging golf carts	88	PM
Texas Lutheran trims $41,000 from annual energy bill	90	PM
Metering hookup for delta systems	94	RQ
Use of rebars in HV duct banks	98	RQ
Concealed wiring in concrete-block walls	98	RQ
Commercial garage classification	102	CF
Metal conduit as equipment grounding conductor	102	CF
Isolation of equipment grounds	104	CF
Backfeeding panelboard through a CB	106	CF
Imports can be an asset to the U.S. economy	134	AI

March

Article title	Pg.	Dept.
Crossing the decimal point – a progress report	7	ED
Motion picture quiz	12	QC
Solving a corrosion problem on a lead-calcium battery	32	MF
Installing UPS systems in earthquake zones	36	WS
Data center employs comprehensive computer grounding scheme	55	F
Cogeneration system assures continuous power to computers	64	F
Harmonic analyzer helps solve power problems	73	F
Upgradable power conditioning unit serves law firm	81	PM
Machining center manufacturer opts for corrugated conduit	86	PM
UPS protects Cape Cod town's computer center	86	PM
Security with occupancy sensors	88	PM
Does red or green mean "power on"?	94	RQ
More on setting the brush neutral	97	RQ
Cord connection in lighting fixtures	100	CF
Service disconnect accessibility	100	CF
Bends in a conduit run	100	CF
MCC control circuit disconnecting means	102	CF
CATV grounding	102	CF
We've won the lab accreditation battle	136	AI

April

Article title	Pg.	Dept.
Fast-track construction: meet with counter-measures!	7	ED
Agricultural buildings quiz	12	QC
Microprocessor relays assure better motor protection – Part 1	32	MF
High-abuse lighting for parking structure safety and security	42	WS
All about lighting fixture reflectors, lenses, and louvers	55	F
Understanding the techniques of display lighting	64	F
How built-in diagnostics aid troubleshooting	72	F
Fixtures illuminate Hartford's historic City Hall	88	PM
Talley Farms' luminaires and lamps help control costs	88	PM
Lighting saves Raleigh County school system money	92	PM
Which is potentially more dangerous – AC or DC?	96	RQ
GFCI receptacles won't trip	98	RQ
Advantages of a mobile shop to contractors	C1	CS
The class job	C3	CS
Directly buried liquidtight flexible metal conduit	104	CF

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Metering hookup for delta systems	94	RQ
Use of rebars in HV duct banks	98	RQ
Concealed wiring in concrete-block walls	98	RQ
Commercial garage classification	102	CF
Metal conduit as equipment grounding conductor	102	CF
Isolation of equipment grounds	104	CF
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EDITORIAL INDEX–1989

Article title	Pg.	Dept.
Branch circuit feeding room air conditioner and other loads	104	CF
Fire-alarm wiring	104	CF
Support of ceiling-mounted HPS fixtures	106	CF
Measuring ground-rod resistance	106	CF
Modern lighting systems require greater team cooperation	136	AI
May		
Seminars are an integral part of exposition	7	ED
Gasoline dispensing and service stations quiz	12	QC
Selecting and applying microprocessor MRPs – Part 2	40	MF
Grouped protection of motor controllers	46	WS
Quizzes on the NEC	53	F
Merrill Lynch saves $600,000 in energy costs	124	PM
Luminaires reduce operating costs at Empire Machinery	124	PM PM
Factory-assembled raceways reduce construction time	128	PM
U of Tennessee plays baseball under lights	132	PM
Automation collects information for Williams Pipe Line	134	PM
Construction company saves dollars for developer	138	PM
Shopping plaza chooses lamps for energy savings	138	PM
Truck body used by electrical troubleshooters	139	PM
Is this buck-boost transformer big enough?	146	RQ
Indicator lamps used as a synchroscope	150	RQ
Individual motor branch circuit protection	158	CF
Requirements for electric water heaters	158	CF
Electrification of explosives vault	162	CF
Tapping paralleled conductors	164	CF
Rating of motor feeder overcurrent protection	164	CF
Mounting height for motor starters	172	CF
Electrical involvement in building code process needed	240	AI
June		
Thanks – but not goodbye	7	ED
Bulk storage plants quiz	12	QC
Testing thumbwheel switches – Part 1	24	MF
Safety labels – what they mean and how they are obtained	28	WS
Cogeneration cuts costs at co-op	37	F
Hospital's power system to be centrally monitored	46	F
Replacement circuit breakers – boon or bomb?	54	F
Planning for profit	C1	CS
Relamping a jewelery display	70	PM
Online job targeting and tracking helps contractor	70	PM
Lighting enhances Hyatt Regency landscaping	75	PM
More GFCI receptacles won't trip	76	RQ
Feedback on indicating light color	76	RQ
Pump motor branch circuit	82	CF
Wiring with 3/8-in. flexible metal conduit	82	CF
GFCI protection required	84	CF
Linemen should learn the techniques of hazard inspection	124	AI
July		
A step in the right direction	7	ED
Spraying, dipping, and coating processes	12	QC
Testing thumbwheel switches – Part 2	26	MF
Understanding engineering plastics	34	WS
Electrification of elevators	49	F
Applying motor-driven firepump controllers	57	F
Modern lighting maintenance techniques reduce energy costs	65	F
Toyota chooses inverters for backup power	72	PM
Lamps with ultraviolet filters offer cost savings	72	PM
Brown Transport uses HPS fixtures	76	PM
Calculating neutral current on electronic loads	78	RQ
SE conductors for delta distribution	84	CF
Sizing an electrical service for a marina	84	CF
Capacitor overcurrent protection	86	CF
New Federal fluorescent ballast law means opportunity	120	AI
August		
Claim filing – has it become automatic?	7	ED
Aircraft hangers	12	QC
Guide to proper busbar connections	32	MF
Providing 1-fc emergency lighting level	36	WS
Lightning protection for hi-tech buildings	49	F
Contractor upgrades service	56	F
Detroit's Cobo Hall doubles in size	65	F
Energy retrofit at Westin St. Francis	72	PM
Isolators for troublesome vibration	72	PM
One Atlantic Center uses advanced design	76	PM
Wiring control circuits for a skeet field	86	RQ
Panelboard rating	92	CF
Conductors in a junction box	94	CF
There is a place for reconditioned circuit breakers	122	AI
September		
Contracting in a shrinking market	7	ED
Applying Belleville washers	38	MF
Replacing liquid-cooled transformers	44	WS
Illustrated Changes in the 1990 National Electrical Code – Part 1	55	F
PCB decontamination effort	86	PM
TRW cuts light bill with occupancy sensors	90	PM
Level sensors in chemical plant	90	PM
Medical center expands energy conservation program	94	PM
How can SCR electrical noise be eliminated?	102	RQ
To ground or not to ground?	106	RQ
Busbar taps within a switchboard	114	CF
Submetering and the tap rules	120	CF
Education: the key to profitability	178	AI
October		
Contractor recertification: testing is the better method	7	ED
Boxes and fittings	12	QC
Solid-state switches improve motor operation – Part 1	30	MF
Battery safety	42	WS
Illustrated Changes in 1990 NEC – Part 2	49	F

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EDITORIAL INDEX–1989

Article title	Pg.	Dept.
Cleaning up a hospital's distribution system	69	F
Insulation helps boost capacity of mobile substation	78	PM
Nondisruptive submeter installation saves $38,000	78	PM
Electronic ballasts reduce costs at Hardee's	88	PM
Maintenance of power electronic equipment	C1	CS
Tooling up for construction market – Part 4	C6	CS
Making reliable terminations	98	RQ
Using the T-connected transformer	98	RQ
Painting service-entrance panels	102	RQ
Grounding of lightning arresters	106	CF
Proper cable preparation with new technology	154	AI
November		
It's still EC&M	7	ED
Boxes and fittings	12	QC
Solid-state switches for longer motor life – Part 2	36	MF
Lightning stroke damage	44	WS
Illustrated Changes in the 1990 NEC – Part 3	53	F
Fixtures with specular reflective materials save energy	73	F
College theater lighting boasts high capacity, versatility	80	F
Minimizing maintenance time on DC motors and generators	88	PM
Submetering saves $5000 in warehouse-to-mall conversion	88	PM
Ford test facility UPS solution	90	PM
Significant cost savings at Motorola through lighting control	98	PM
Which is more reliable – static or rotary UPS?	104	RQ
To ground or not to ground?	108	RQ
Code Forum Feedback	120	CF
Note 3 to Tables 310-16 through 310-31	120	CF
A point of law	123	CF
Franklin lightning protection – still the only system	162	AI
December		
Don't let power-bill creep get you	7	ED
Boxes and fittings	12	QC
Solid-state switches – reversing techniques – Part 3	24	MF
Performing energy audits	28	WS
Wellfield pump automation eliminates failures	51	F
Offshore drilling rig goes high-tech	58	F
Illustrated Changes in the 1990 National Electrical Code – Part 4	65	F
The differences in tools	C1	CS
Lighting saves energy at high school playing field	92	PM
Energy savings pay for relighting Pittsburgh streets	92	PM
Sensors help to modernize airport fuel system	97	PM
Which is more reliable – static or rotary UPS?	100	RQ
More on wiring control circuits for a skeet field	100	RQ
Damage to underground pipe	104	RQ
Supporting Type NM cable	108	CF
Code Forum Feedback	108	CF
Batteries and battery rooms	110	CF
Rules on nurse call systems – revisited	146	AI

Articles by subject

Article title	Month	Pg.	Dept.
Automation and controls			
Test position in MCCs	JAN	38	WS
Solid-state controls automate pump operations	JAN	56	F
Does red or green mean "power on"?	MAR	94	RQ
MCC control circuit disconnecting means	MAR	102	CF
Grouped protection of motor controllers	MAY	46	WS
Automation collects information for Williams pipe line	MAY	134	PM
Testing thumbwheel switches – Part 1	JUN	24	MF
Cogeneration cuts costs at co-op	JUN	37	F
Hospital's power system to be centrally monitored	JUN	46	F
Feedback on indicating light color	JUN	76	RQ
Testing thumbwheel switches – Part 2	JUL	26	MF
Wiring control circuits for a skeet field	AUG	86	RQ
Level sensors in chemical plant	SEP	90	PM
Solid-state switches for longer motor life – Part 2	NOV	36	MF
Solid-state switches – reversing techniques – Part 3	DEC	24	MF
Wellfield pump automation eliminates failures	DEC	51	F
Offshore drilling rig goes high-tech	DEC	58	F
Illustrated Changes in the 1990 NEC – Part 4	DEC	65	F
Sensors help to modernize airport fuel system	DEC	97	PM
More on wiring control circuits for a skeet field	DEC	10	RQ
Business			
A year of change?	JAN	7	ED
Choose an estimating program that really performs	JAN	136	AI
Ignorance of the law is no excuse	FEB	7	ED
Effective preventive maintenance	FEB	79	F
Tooling up for the construction market	FEB	C1	CS
We've won the accreditation battle	MAR	136	AI
Fast-track construction: meet with counter-measures!	APR	7	ED
Advantages of a mobile shop to contractors	APR	C1	CS
The class job	APR	C3	CS
Lighting systems require greater cooperation	APR	136	AI
Safety labels – what they mean and how obtained	JUN	28	WS

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EDITORIAL INDEX–1989

Article title	Month	Pg.	Dept.
Replacement circuit breakers – boon or bomb?	JUN	54	F
Planning for profit	JUN	C1	CS
Online job targeting and tracking helps contractor	JUN	70	PM
New Federal fluorescent ballast law means opportunity	JUL	120	AI
Claim filing – has it become automatic?	AUG	7	ED
There is a place for reconditioned CBs	AUG	122	AI
Contracting in a shrinking market	SEP	7	ED
PCB decontamination effort	SEP	86	PM
Education: the key to profitability	SEP	178	AI
Contractor recertification: testing is better	OCT	7	ED
Nondisruptive submeter installation saves $38,000	OCT	78	PM
Maintenance of power electronic equipment	OCT	C1	CS
Tooling up for the construction market – Part 4	OCT	C6	CS
Submetering saves $5000 in warehouse conversion	NOV	88	PM
A point of law	NOV	123	CF
Don't let power-bill creep get you	DEC	7	ED
Performing energy audits	DEC	28	WS
The differences in tools	DEC	C1	CS

Calculations and design

Conductor ampacity in PVC vs rigid steel conduit	JAN	92	RQ
Designing for maximum reliability	FEB	69	F
Does red or green mean "power on"?	MAR	94	RQ
Fast-track construction: meet with counter-measures!	APR	7	ED
Microprocessor relays assure protection – Part 1	APR	32	MF
High-abuse lighting for parking structure safety	APR	42	WS
Lighting fixture reflectors, lenses, and louvers	APR	55	F
Understanding the techniques of display lighting	APR	64	F
Branch circuit feeding room air conditioner	APR	104	CF
Modern lighting systems require greater cooperation	APR	136	AI
Is buck-boost transformer big enough?	MAY	146	RQ
Individual motor branch circuit protection	MAY	158	CF
Requirements for electric water heaters	MAY	158	CF
Electrification of explosives vault	MAY	162	CF
Tapping paralleled conductors	MAY	162	CF
Rating of motor feeder overcurrent protection	MAY	164	CF
Electrical involvement in model building code needed	MAY	240	AI
Selecting and applying microprocessor MRPs – Part 2	MAY	40	MF
Replacement circuit breakers – boon or bomb?	JUN	54	F
Wiring with 3/8-in. flexible metal conduit	JUN	82	CF
Calculating neutral current on electronic loads	JUL	78	RQ
Sizing an electrical service for a marina	JUL	84	CF
New Federal fluorescent ballast law means opportunity	JUL	120	AI
Providing 1-fc emergency lighting level	AUG	36	WS
Contractor upgrades service	AUG	56	F
Conductors in a junction box	AUG	94	CF
Using the T-connected transformer	OCT	98	RQ
Illustrated Changes in the 1990 NEC – Part 3	NOV	53	F
Ford test facility UPS solution	NOV	90	PM
To ground or not to ground?	NOV	108	RQ
Note 3 to Tables 310-16 through 310-31	NOV	120	CS
Franklin lightning protection – still the system	NOV	162	AI
Performing energy audits	DEC	28	WS
More on wiring control circuits for a skeet field	DEC	100	RQ
Batteries and battery rooms	DEC	110	CF

Computers and power conditioning

Teamwork pays off in teledata and power wiring	FEB	62	F
Effective preventive maintenance	FEB	79	F
Isolation of equipment grounds	FEB	104	CF
Crossing the decimal point – a progress report	MAR	7	ED
Installing UPS systems in earthquake zones	MAR	36	WS
Data center employs comprehensive computer grounding	MAR	55	F
Cogeneration assures continuous power to computers	MAR	64	F
Harmonic analyzer helps solve power problems	MAR	73	F
Upgradable power conditioning unit serves law firm	MAR	81	F
UPS protects Cape Cod town's computer center	MAR	86	PM
Fast-track construction: meet with counter-measures!	APR	7	ED
Toyota chooses inverters for backup	JUL	72	PM
Lightning protection for buildings	AUG	49	F
Battery safety	OCT	42	WS
Which is more reliable – static or rotary UPS?	NOV	104	RQ
Offshore drilling rig goes high-tech	DEC	58	F
Illustrated Changes in the 1990 NEC – Part 4	DEC	65	F
Which is more reliable – static or rotary UPS?	DEC	100	RQ
Batteries and battery rooms	DEC	110	CF

Energy cost and management

Vivian Beaumont Theater retrofits house lighting	JAN	84	PM
Fox Acres improves system for recharging golf carts	FEB	88	PM
Texas Lutheran trims $41,000 from annual energy bill	FEB	90	PM

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EDITORIAL INDEX–1989

Article title	Month	Pg.	Dept.
Security with occupancy sensors	MAR	88	PM
Talley Farms luminaires and lamps help control costs	APR	88	PM
Lighting saves Raleigh County school system money	APR	92	PM
Merrill Lynch saves $600,000 a year in energy costs	MAY	124	PM
Luminaires reduce operating costs at Empire Machinery	MAY	124	PM
Shopping plaza chooses lamps for energy savings	MAY	138	PM
Cogeneration cuts costs at co-op	JUN	37	F
Hospital's power system to be centrally monitored	JUN	46	F
Modern lighting maintenance reduces energy costs	JUL	65	F
Lamps with ultraviolet filters offer cost savings	JUL	72	PM
Brown Transport uses HPS fixtures	JUL	76	PM
New Federal fluorescent ballast law means opportunity	JUL	120	AI
Energy retrofit at Westin St. Francis	AUG	72	PM
One Atlantic Center uses advanced design	AUG	76	PM
TRW cuts light bill with occupancy sensors	SEP	90	PM
Medical center expands energy conservation program	SEP	94	PM
Nondisruptive submeter installation saves $38,000	OCT	78	PM
Electronic ballasts reduce costs at Hardee's	OCT	88	PM
Fixtures with reflective materials save energy	NOV	73	F
Submetering saves $5000 in warehouse conversion	NOV	88	PM
Cost savings at Motorola through lighting control	NOV	98	PM
Don't let power-bill creep get you	DEC	7	ED
Performing energy audits	DEC	28	WS
Lighting saves energy at high school playing field	DEC	92	PM
Energy savings pay for relighting Pittsburgh streets	DEC	92	PM

Equipment and products

Measuring voltages on high-tech equipment – Part 1	JAN	30	MF
Test position in MCCs	JAN	38	WS
Solid-state controls automate pump operations	JAN	56	F
Zone selective interlocking reduces fault stress	JAN	63	F
A fast track solution for Reebok	JAN	84	PM
Hazardous (classified) locations quiz	FEB	12	QC
Effective preventive maintenance	FEB	79	F
Tooling up for the construction market	FEB	C1	CS
Imports can be an asset to the economy	FEB	134	AI
Machining center opts for corrugated conduit	MAR	86	PM
Security with occupancy sensors	MAR	88	PM
Grouped protection of motor controllers	MAY	46	WS
Hospital's power system to be centrally monitored	JUN	46	F
Testing thumbwheel switches – Part 2	JUL	26	MF
Understanding engineering plastics	JUL	34	WS
Electrification of elevators	JUL	49	F
Applying motor-driven firepump controllers	JUL	57	F
Lightning protection for hi-tech buildings	AUG	49	F
Isolators for troublesome vibration	AUG	72	PM
There is a place for reconditioned circuit breakers	AUG	122	AI
Replacing liquid-cooled transformers	SEP	44	WS
TRW cuts light bill with occupancy sensors	SEP	90	PM
Level sensors in chemical plant	SEP	90	PM
Solid-state switches improve motor operation – Part 1	OCT	30	MF
Boxes and fittings	NOV	12	QC
Solid-state switches for longer motor life – Part 2	NOV	36	MF
Lightning stroke damage	NOV	44	WS
Fixtures with reflective materials save energy	NOV	73	F
Minimizing maintenance on DC motors and generators	NOV	88	PM
Which is more reliable – static or rotary UPS?	NOV	104	RQ
Boxes and fittings	DEC	12	QC
Solid-state switches – reversing techniques – Part 3	DEC	24	MF
Performing energy audits	DEC	28	WS
The differences in tools	DEC	C1	CS
Sensors help to modernize airport fuel system	DEC	97	PM
Which is more reliable – static or rotary UPS?	DEC	100	RQ
Batteries and battery rooms	DEC	110	CF
Rules on nurse call systems – revisited	DEC	146	AI

Grounding

Article 250 – Grounding quiz	JAN	12	QC
Insulated equipment grounding conductor	JAN	102	CF
Transformer ground	JAN	104	CF
Metal conduit as equipment grounding conductor	FEB	102	CF
Isolation of equipment grounds	FEB	104	CF
Data center employs computer grounding scheme	MAR	55	F
CATV grounding	MAR	102	CF
Measuring ground-rod resistance	APR	106	CF
Electrication of elevators	JUL	49	F
Lightning protection for hi-tech buildings	AUG	49	F
Contractor upgrades service	AUG	56	F
To ground or not to ground?	SEP	106	RQ
Grounding of lightning arresters	OCT	106	CF
Lightning stroke damage	NOV	44	WS
To ground or not to ground?	NOV	108	RQ
Franklin lightning protection – still the only system	NOV	162	AI
Illustrated changes in the 1990 NEC – Part 4	DEC	65	F

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EDITORIAL INDEX–1989

Article title	Month	Pg.	Dept.
Damage to underground pipe	DEC	104	RQ
Installation methods			
Charging cordless tool batteries	FEB	42	WS
Tooling up for the construction market	FEB	C1	CS
Metering hookup for delta systems	FEB	94	RQ
Use of rebars in HV duct banks	FEB	98	RQ
Concealed wiring in concrete-block walls	FEB	98	RQ
Motion picture quiz	MAR	12	QC
Installing UPS systems in earthquake zones	MAR	36	WS
Data center employs computer grounding scheme	MAR	55	F
Cord connection in lighting fixtures	MAR	100	CF
Service disconnect accessibility	MAR	100	CF
Bends in a conduit run	MAR	100	CF
CATV grounding	MAR	102	CF
Fast-track construction: meet with counter-measures!	APR	7	ED
Agricultural buildings quiz	APR	12	QC
Support of ceiling-mounted HPS fixtures	APR	106	CF
Lighting systems require greater team cooperation	APR	136	AI
Factory-assembled raceways reduce construction time	MAY	128	PM
Construction company saves dollars for developer	MAY	138	PM
Requirements for electric water heaters	MAY	158	CF
Electrification of explosives vault	MAY	162	CF
Mounting height for motor starters	MAY	172	CF
Cogeneration cuts costs at co-op	JUN	37	F
Pump motor branch circuit	JUN	82	CF
GFCI protection required	JUN	84	CF
Electrication of elevators	JUL	49	F
Guide to proper busbar connections	AUG	32	MF
Contractor upgrades service	AUG	56	F
Detroit's Cobo Hall doubles in size	AUG	65	F
Applying Belleville washers	SEP	38	MF
Busbar taps within a switchboard	SEP	114	CF
Submetering and the tap rules	SEP	120	CF
Cleaning up a hospital's distribution system	OCT	69	F
Tooling up for the construction market – Part 4	OCT	C6	CS
Making reliable terminations	OCT	98	RQ
Painting service-entrance panels	OCT	102	RQ
Proper cable preparation with new technology	OCT	154	AI
Theater lighting boasts high capacity, versatility	NOV	80	F
Note 3 to Tables 310-16 through 310-31	NOV	120	CF
Supporting Type NM cable	DEC	108	CF
Maintenance			
Measuring voltages on high-tech equipment – Part 1	JAN	30	MF
Test position in MCCs	JAN	38	WS
Setting brush neutral on DC machines	JAN	96	RQ
Measuring voltage on high-tech equipment – Part 2	FEB	34	MF
Effective preventive maintenance	FEB	79	F
Solving corrosion on lead-calcium battery	MAR	32	MF
More on setting the brush neutral	MAR	97	RQ
Microprocessor relays assure better protection – Part 1	APR	32	MF
Built-in diagnostics aid troubleshooting	APR	72	F
Which is more dangerous – AC or DC?	APR	96	RQ
Truck body used by electrical troubleshooters	MAY	139	PM
Testing thumbwheel switches – Part 1	JUN	24	MF
Linemen should learn hazard inspection	JUN	124	AI
Testing thumbwheel switches – Part 2	JUL	26	MF
Lighting maintenance techniques reduce energy costs	JUL	65	F
Guide to proper busbar connections	AUG	32	MF
Isolators for troublesome vibration	AUG	72	PM
There is a place for reconditioned circuit breakers	AUG	122	AI
Applying Belleville washers	SEP	38	MF
Replacing liquid-cooled transformers	SEP	44	WS
PCB decontamination effort	SEP	86	PM
Battery safety	OCT	42	WS
Insulation helps boost capacity of mobile substation	OCT	78	PM
Maintenance of power electronic equipment	OCT	C1	CS
Minimizing maintenance on DC motors and generators	NOV	88	PM
Performing energy audits	DEC	28	WS
Offshore drilling rig goes high-tech	DEC	58	F
Damage to underground pipe	DEC	104	RQ
National Electrical Code			
Art. 110 Backfeeding a panelboard through a CB	FEB	106	CF
Art. 210 GFCI protection required	JUN	84	CF
Sec. 220-21 Code Forum Feedback	NOV	120	CF
Art. 230 Flexible conduit at services	JAN	102	CF
Art. 230 Flexible nonmetallic conduit for service	JAN	104	CF
Art. 230 Service disconnect accessibility	MAR	100	CF
Art. 230 Contractor upgrades service	AUG	56	F
Sec. 230-23 SE conductors for delta distribution	JUL	84	CF
Sec. 230-42 Panelboard rating	AUG	92	CF
Sec. 230-70(a) Painting service-entrance panels	OCT	102	RQ
Art. 240 Tapping paralleled conductors	MAY	162	CF
Art. 240 Pump motor branch circuit	JUN	82	CF
Sec. 240-21, Ex. 2 Submetering and the tap rules	SEP	120	CF
Art. 250 Transformer ground	JAN	104	CF
Art. 250 Insulated equipment grounding conductor	JAN	102	CF
Art. 250 Metal conduit as grounding conductor	FEB	102	CF
Art. 250 Isolation of equipment grounds	FEB	104	CF
Sec. 250-23(b) Code Forum Feedback	DEC	108	CF
Sec. 280-25 Grounding of lightning arresters	OCT	106	CF
Table 310-16, Note 3 to Tables 310-16 through 310-31	NOV	120	CF
Sec. 333-7 Concealed wiring in concrete-block walls	FEB	98	RQ

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EDITORIAL INDEX–1989

Article title	Month	Pg.	Dept.
Sec. 336-15 Supporting Type NM cable	DEC	108	CF
Art. 347 Bends in a conduit run	MAR	100	CF
Art. 350 Wiring with 3/8-in. flexible metal conduit	JUN	82	CF
Art. 351 Buried liquidtight flexible metal conduit	APR	104	CF
Art. 370 Boxes and fittings	OCT	12	QC
Art. 370 Boxes and fittings	NOV	12	QC
Art. 370 Boxes and fittings	DEC	12	QC
Sec. 370-6(a) Conductors in a junction box	AUG	94	CF
Sec. 384-3(a) Busbar taps within a switchboard	SEP	114	CF
Art. 410 Armored cable to supply fluorescent fixtures	JAN	102	CF
Art. 410 Cord connection in lighting fixtures	MAR	100	CF
Art. 410 Support of ceiling-mounted HPS fixtures	APR	106	CF
Art. 422 Requirements for electric water heaters	MAY	158	CF
Art. 430 Grouped protection of motor controllers	MAY	46	WS
Art. 430 MCC control circuit disconnecting means	MAR	102	CF
Art. 430 Individual motor branch circuit protection	MAY	158	CF
Art. 430 Rating of motor feeder overcurrent protection	MAY	164	CF
Art. 430 Mounting height for motor starters	MAY	172	CF
Art. 440 Branch circuit feeding room air conditioner	APR	104	CF
Sec. 480-8(a) Batteries and battery rooms	DEC	110	CF
Sec. 460-8(b) Capacitor overcurrent protection	JUL	86	CF
Art. 500 Hazardous (classified) locations quiz	FEB	12	QC
Art. 511 Commercial garage classification	FEB	102	CF
Art. 513 Aircraft hangers	AUG	12	QC
Art. 514 Gasoline dispensing and service stations quiz	MAY	12	QC
Art. 515 Bulk storage plants quiz	JUN	12	QC
Art. 516 Spraying, dipping, and coating processes	JUL	12	QC
Art. 530 Motion picture quiz	MAR	12	QC
Art. 547 Agricultural buildings quiz	APR	12	QC
Sec. 555-5 Sizing an electrical service for a marina	JUL	84	CF
Art. 620 Electrification of elevators	JUL	49	F
Art. 760 Fire-alarm wiring	APR	104	CF
Art. 800 CATV grounding	MAR	102	CF
Illustrated Changes in the 1990 NEC – Part 1, Art. 100-250	SEP	55	F
Illustrated Changes in the 1990 NEC – Part 2, Art. 250-336	OCT	49	F
Illustrated Changes in the 1990 NEC – Part 3, Art. 345-422	NOV	53	F
Illustrated Changes in the 1990 NEC – Part 4 Art. 424-760	DEC	65	F
Ignorance of the law is no excuse	FEB	7	ED
Quizzes on the NEC	MAY	53	F
NFPA 70 Electrification of explosives vault	MAY	162	CF

Power distribution

Article title	Month	Pg.	Dept.
Wheel-in electrical connections solve outlet problems	JAN	51	F
Hospital upgrades emergency system	FEB	53	F
Designing for maximum reliability	FEB	69	F
PG&E uses sun power to alert aircraft	FEB	85	PM
Cogeneration system assures continuous power	MAR	64	F
Harmonic analyzer helps solve power problems	MAR	73	F
Cogeneration cuts costs at co-op	JUN	37	F
Hospital's power system to be centrally monitored	JUN	46	F
Electrification of elevators	JUL	49	F
Applying motor-driven firepump controllers	JUL	57	F
Sizing an electrical service for a marina	JUL	84	CF
Contractor upgrades service	AUG	56	F
Detroit's Cobo Hall doubles in size	AUG	65	F
To ground or not to ground?	SEP	106	RQ
Cleaning up a hospital's distribution system	OCT	69	F
Insulation helps boost capacity of mobile substation	OCT	78	PM
Offshore drilling rig goes high-tech	DEC	58	F

Protective devices and safety

Article title	Month	Pg.	Dept.
Designing for maximum reliability	FEB	69	F
MCC circuit disconnecting means	MAR	102	CF
Which is potentially more dangerous – AC or DC?	APR	96	RQ
GFCI receptacles won't trip	APR	98	RQ
Selecting and applying microprocessor MRPs – Part 2	MAY	40	MF
Grouped protection of motor controllers	MAY	46	WS
Individual motor branch circuit protection	MAY	158	CF
Requirements for electric water heaters	MAY	158	CF
Tapping paralleled conductors	MAY	162	CF
Rating of motor feeder overcurrent protection	MAY	164	CF
Involvement in model building code process needed	MAY	240	AI
Capacitor overcurrent protection	JUL	86	CF
Bulk storage plants quiz	JUN	12	QC
Safety labels – what they mean and how obtained	JUN	28	WS
Cogeneration cuts costs at co-op	JUN	37	F
Hospital's power system to be centrally monitored	JUN	46	F
Replacement circuit breakers – boon or bomb?	JUN	54	F
More GFCI reptacles won't trip on direct short	JUN	76	RQ
Pump motor branch circuit	JUN	82	CF
GFCI protection required	JUN	84	CF
Linemen should learn hazard inspection	JUN	124	AI
Electrification of elevators	JUL	49	F
Lightning protection for hi-tech buildings	AUG	49	F

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EDITORIAL INDEX–1989

Article title	Month	Pg.	Dept.
There is a place for reconditioned circuit breakers	AUG	122	AI
How can SCR electrical noise be eliminated?	SEP	102	RQ
To ground or not to ground?	SEP	106	RQ
Offshore drilling rig goes high-tech	DEC	58	F
Illustrated Changes in the 1990 NEC – Part 4	DEC	65	F
Specifications and standards			
Choose an estimating program that really performs	JAN	136	AI
Effective preventive maintenance	FEB	79	F
Installing UPS systems in earthquake zones	MAR	36	WS
Fast-track construction: meet with counter-measures!	APR	7	ED
High-abuse lighting for parking structure safety	APR	42	WS
Lighting fixture reflectors, lenses, and louvers	APR	55	F
Fire-alarm wiring	APR	104	CF
Lighting systems require greater cooperation	APR	136	AI
Selecting and applying microprocessor MRPs – Part 2	MAY	40	MF
Involvement in model building code process needed	MAY	240	AI
Electrification of elevators	JUL	49	F
Applying motor-driven firepump controllers	JUL	57	F
New Federal fluorescent ballast law means opportunity	JUL	120	AI
Providing 1-fc emergency lighting level	AUG	36	WS
Replacing liquid-cooled transformers	SEP	44	WS
Lightning stroke damage	NOV	44	WS
Theater lighting boasts high capacity, versatility	NOV	80	F
Ford test facility UPS solution	NOV	90	PM
Which is more reliable – static or rotary UPS?	NOV	104	RQ
Batteries and battery rooms	DEC	110	CF
Rules on nurse call systems – revisited	DEC	146	AI
Telecommunications and data transmission			
Teamwork pays off in teledata and power wiring	FEB	62	F
CATV grounding	MAR	102	CF
Fire-alarm wiring	APR	104	CF
Automation collects information for Williams Pipe Line	MAY	134	PM
Hospital's power centrally monitored	JUN	46	F
Wellfield pump automation eliminates failures	DEC	51	F
Offshore drilling rig goes high-tech	DEC	58	F
Illustrated changes in the 1990 NEC – Part 4	DEC	65	F
Rules on nurse call systems – revisited	DEC	146	AI
Testing and monitoring			
Measuring voltages on high-tech equipment – Part 1	JAN	30	MF
Test position in MCCs	JAN	38	WS
Measuring voltage on high-tech equipment – Part 2	FEB	34	MF
Harmonic analyzer helps solve power problems	MAR	73	F
How built-in diagnostics aid trouble-shooting	APR	72	F
Measuring ground-rod resistance	APR	106	CF
Indicator lamps used as a synchroscope	MAY	150	RQ
Testing thumbwheel switches – Part 2	JUL	26	MF
Battery safety	OCT	42	WS
Nondisruptive submeter installation saves $38,000	OCT	78	PM
Maintenance of power electronic equipment	OCT	C1	CS
Performing energy audits	DEC	28	WS
Offshore drilling rig goes high-tech	DEC	58	F
Damage to underground pipe	DEC	104	RQ
Tutorials			
Article 250 – Grounding quiz	JAN	12	QC
Measuring voltages on high-tech equipment – Part 1	JAN	30	MF
Zone selective interlocking reduces fault stress	JAN	63	F
Copper-aluminum connection can corrode	JAN	92	RQ
Hazardous (classified) locations quiz	FEB	12	QC
Charging cordless tool batteries	FEB	42	WS
Motion picture quiz	MAR	12	QC
Solving a corrosion problem on a lead-calcium battery	MAR	32	MF
Installing UPS systems in earthquake zones	MAR	36	WS
Does red or green mean "power on"?	MAR	94	RQ
More on setting the brush neutral	MAR	97	RQ
Agricultural buildings quiz	APR	12	QC
Microprocessor relays assure motor protection – Part 1	APR	32	MF
High-abuse lighting for parking structure safety	APR	42	WS
Lighting fixture reflectors, lenses, and louvers	APR	55	F
Understanding the techniques of display lighting	APR	64	F
Which is potentially more dangerous – AC or DC?	APR	96	RQ
GFCI receptacles won't trip	APR	98	RQ
Seminars are an integral part of the exposition	MAY	7	ED
Gasoline dispensing and service stations quiz	MAY	12	QC
Grouped protection of motor controllers	MAY	46	WS
Quizzes on the NEC	MAY	53	F
Is this buck-boost transformer big enough?	MAY	146	RQ
Indicator lamps used as a synchroscope	MAY	150	RQ
Bulk storage plants quiz	JUN	12	QC
Testing thumbwheel switches – Part 1	JUN	24	MF
Safety labels – what they mean and how obtained	JUN	28	WS
Hospital's power system to be centrally monitored	JUN	46	F

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Replacement circuit breakers – boon or bomb?	JUN	54	F
More GFCI reptacles won't trip on direct short	JUN	76	RQ
Feedback on indicating light color	JUN	76	RQ
Testing thumbwheel switches – Part 2	JUL	26	MF
Understanding engineering plastics	JUL	34	WS
Electrification of elevators	JUL	49	F
Applying motor-driven firepump controllers	JUL	57	F
Lighting maintenance techniques reduce energy costs	JUL	65	F
Guide to proper busbar connections	AUG	32	MF
Providing 1-fc emergency lighting level	AUG	36	WS
Lightning protection for hi-tech buildings	AUG	49	F
Applying Belleville washers	SEP	38	MF
Illustrated Changes in 1990 NEC – Part 1	SEP	55	F
To ground or not to ground?	SEP	106	RQ
Education: the key to profitability	SEP	178	AI
Boxes and fittings	OCT	12	QC
Solid-state switches improve motor operation – Part 1	OCT	30	MF
Battery safety	OCT	42	WS
Tooling up for the construction market – Part 4	OCT	C6	CS
Using the T-connected transformer	OCT	98	RQ
Grounding of lightning arresters	OCT	106	CF
Proper cable preparation with new technology	OCT	154	AI
Boxes and fittings	NOV	12	QC
Solid-state switches for longer motor life – Part 2	NOV	36	MF
Lightning stroke damage	NOV	44	WS
Illustrated Changes in 1990 NEC – Part 3	NOV	53	F
Specular reflective materials save energy	NOV	73	F
Which is more reliable – static or rotary UPS?	NOV	104	RQ
To ground or not to ground	NOV	108	RQ
Franklin lightning protection – still the only system	NOV	162	AI
Boxes and fittings	DEC	12	QC
Solid-state switches – reversing techniques – Part 3	DEC	24	MF
Performing energy audits	DEC	28	WS
Illustrated Changes in 1990 NEC – Part 4	DEC	65	F
The differences in tools	DEC	C1	CS
Which is more reliable – static or rotary UPS?	DEC	100	RQ
Damage to underground pipe	DEC	104	RQ
Batteries and battery rooms	DEC	110	CF
Rules on nurse call systems – revisited	DEC	146	AI

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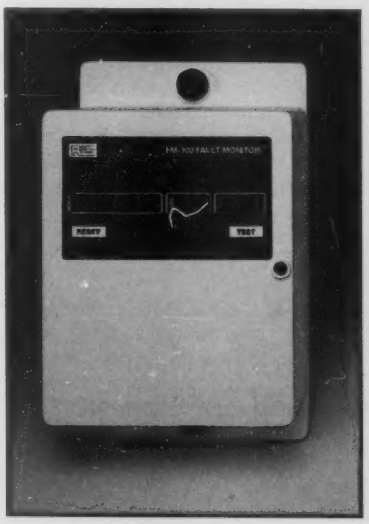

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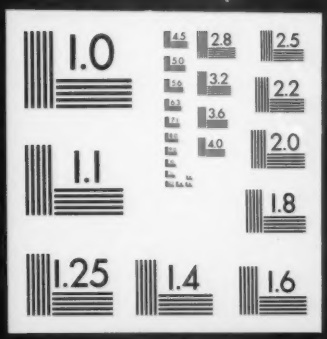
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